

**What is claimed is:**

1. A mode switching method in a mobile communication system comprising:
  - providing a mode switching start point between an uplink signal and a
  - 5 downlink signal of a transceiver;
  - resetting the mode switching start point based on length of a guard period provided between the uplink signal and the downlink signal; and
  - starting mode switching at the mode switching start point.
- 10 2. The method of claim 1, wherein the providing step comprises:
  - determining a mode switching time (MST) of the transceiver;
  - determining a minimum guard period ( $GP_{min}$ ) of the transceiver;
  - determining whether the MST is greater than the  $GP_{min}$ ; and
  - determining the mode switching start point reset, if the MST is greater than
  - 15 the  $GP_{min}$ .
3. The method of claim 1, wherein the resetting step comprises:
  - determining an advancing time offset ( $\Delta t$ ) based on a minimum guard
  - period ( $GP_{min}$ ); and
  - 20 setting the mode switching start point before a start point of the minimum guard period ( $GP_{min}$ ) of the transceiver based on a mode switching signal.
4. The method of claim 3, wherein the mode switching start point is determined by determining a time deference between the advancing time offset
- 25 ( $\Delta t$ ) and the start point of  $GP_{min}$ .

5. The method of claim 3, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .

6. The method of claim 2, wherein the step of resetting comprises:  
5 determining an advancing time offset ( $\Delta t$ ) shorter than the  $GP_{min}$ ; and  
setting the mode switching start point before a start point of a minimum guard period ( $GP_{min}$ ) of the system based on a mode switching signal.

7. The method of claim 6, wherein the mode switching start point is  
10 determined by determining the time difference between the advancing time offset ( $\Delta t$ ) and the start point of  $GP_{min}$ .

8. The method of claim 7, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .

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9. The method of claim 8, further comprising performing mode switching based on the mode switching start point.

10. A mode switching method comprising:  
20 providing a mode switching start point between an uplink signal and a downlink signal of a transceiver;  
determining an advancing time offset ( $\Delta t$ ) based on a minimum guard period ( $GP_{min}$ );  
setting the mode switching start point before a start point of the  $GP_{min}$  of  
25 the transceiver based on a mode switching signal;  
starting mode switching at the mode switching start point;

determining a mode switching time (MST) of the transceiver;  
determining whether the MST is greater than the  $GP_{min}$ ; and  
determining the mode switching start point reset, if the MST is greater than  
the  $GP_{min}$ .

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11. A mode switching system in a mobile communication system  
comprising:

means for providing a mode switching start point between an uplink signal  
and a downlink signal of a transceiver;

10 means for resetting the mode switching start point based on length of a  
guard period provided between the uplink signal and the downlink signal; and  
means for starting mode switching at the mode switching start point.

12. The system of claim 11, wherein the providing means comprises:

15 means for determining a mode switching time (MST) of the transceiver;  
means for determining a minimum guard period ( $GP_{min}$ ) of the transceiver;  
means for determining whether the MST is greater than the  $GP_{min}$ ; and  
means for determining the mode switching start point reset, if the MST is  
greater than the  $GP_{min}$ .

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13. The system of claim 11, wherein the resetting means comprises:

means for determining an advancing time offset ( $\Delta t$ ) based on a minimum  
guard period ( $GP_{min}$ ); and

25 means for setting the mode switching start point before a start point of the  
minimum guard period ( $GP_{min}$ ) of the transceiver based on a mode switching  
signal.

14. The system of claim 13, wherein the mode switching start point is determined by determining a time deference between the advancing time offset ( $\Delta t$ ) and the start point of  $GP_{min}$ .

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15. The system of claim 13, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .

16. The system of claim 12, wherein the resetting means comprises:  
10 determining an advancing time offset ( $\Delta t$ ) shorter than the  $GP_{min}$ ; and  
setting the mode switching start point before a start point of a minimum guard period ( $GP_{min}$ ) of the system based on a mode switching signal.

17. The system of claim 16, wherein the mode switching start point is  
15 determined by determining the time difference between the advancing time offset ( $\Delta t$ ) and the start point of  $GP_{min}$ .

18. The system of claim 17, wherein the advancing time offset ( $\Delta t$ ) is shorter than the  $GP_{min}$ .

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19. The system of claim 18, further comprising performing mode switching based on the mode switching start point.

20. A mode switching system comprising:  
25 means for providing a mode switching start point between an uplink signal and a downlink signal of a transceiver;

means for determining an advancing time offset ( $\Delta t$ ) based on a minimum guard period ( $GP_{min}$ );

means for setting the mode switching start point before a start point of the  $GP_{min}$  of the transceiver based on a mode switching signal;

5 means for starting mode switching at the mode switching start point;

means for determining a mode switching time (MST) of the transceiver;

means for determining whether the MST is greater than the  $GP_{min}$ ; and

means for determining the mode switching start point reset, if the MST is greater than the  $GP_{min}$ .

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